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Prophylaxe in der Schwangerschaft

[1] Agueda A, Ramón JM, Manau C, Guerrero A, Echeverría JJ. Periodontal disease as a risk factor for adverse pregnancy outcomes: a prospective cohort study. J Clin Periodontol 2008;35:16–22.

[2] Amar S, Chung KM. Influence of hormonal variation on the peridontium in women. Periodontology 2000;79 (1994).

[3] American Academy of Pediatric Dentistry. Policy on early childhood caries: classifications, consequences and preventive strategies. 2014. www.aapd.org/media/Policies_Guidelines/P_ECCClassifications.pdf

[4] American Academy of Pediatric Dentistry. Guideline on perinatal oral health care. Reference Manual 2011;33:118–123.

[5] BZÄK, KZBV. Zahnärztliche Arzneiverordnung in Schwangerschaft und Stillzeit. http://www.bzaek.de/fileadmin/PDFs/za/AKZ/10_01Zahnaerztliche_ArzneiVO_in_der_Schwangerschaft.pdf (2010).

[6] Caufield PW, Cutter GR, Dasanayake AP. Initial acquisition of mutans streptococci by infants: evidence for a discrete window of infectivity. J Dent Res 1993;72:37–45.

[7] CDA Foundation. Oral Health During Pregnancy & Early Childhood: Evidence-Based Guidelines for Health Professionals. Sacramento, CA: CDA Foundation (2010).

[8] Chambrone L, Guglielmetti MR, Pannuti CM, Chambrone LA. Evidence grade associating periodontitis to preterm birth and/or low birth weight. I. A systematic review of prospective cohort studies. J Clin Periodontol 2011;38: 795–808.

[9] Chambrone L, Pannuti CM, Guglielmetti MR, Chambrone LA. Evidence grade associating periodontitis with preterm birth and/or low birth weight: II: a systematic review of randomized trials evaluating the effects of periodontal treatment. J Clin Periodontol 2011;38:902–914.

[10] Collins JG, Windley HW, Arnold RR et al. Effects of a porphyromonas gingivalis infection on inflammatory mediator response and pregnancy outcome in hamsters. Infect Immun 1994;199462:4256.

[11] Collins JG, Smith MA, Arnold RR et al. Effects of Escherichia coli and porphyromonas gingivalis lipopolysaccharide on pregnancy outcome in the golden hamster. Infect Immun 1994;62:4652.

[12] Collins JG, Kirtland BC, Arnold RR et al.: Experimental periodontitis retards hamster fetal growth. J Dent Res 1995;74:158.

[13] Davenport ES, Williams CE, Sterne CS et al. Maternal periodontal disease and preterm low birth weight: Case-control study. J Dent Res 2002;81:313.

[14] DGMZK Stellungnahme 2007. Parodontale Erkrankungen während der Schwangerschaft: Besteht Behandlungsbedarf? http://www.dgzmk.de/uploads/tx_szdgzmkdocuments/Parodontale_Erkrankungen_waehrend_der_Schwangerschaft:_Besteht_Behandlungsbedarf.pdf

[15] DGZMK Stellungnahme 1994. Zahnärztliche Behandlung in der Schwangerschaft. http://www.dgzmk.de/uploads/tx_szdgzmkdocuments/Zahnaerztliche_Behandlung_in_der_Schwangerschaft_2001.pdf

[16] Dortbudak O, Eberhardt R, Ulm M, Persson GR. Periodontitis, a marker of risk in pregnancy for preterm birth. J Clin Periodontol 2005;32:45–52.

[17] Ebersole JL, Steffen MJ, Holt SC, Kesavalu L, Chu L, Cappelli D. Potential pathogenic mechanisms of periodontitis associated pregnancy complications. Clin Exp Immunol 2010;162:550–559.

[18] European Academy of Pediatric Dentistry. Guidelines on prevention of early childhood caries – An EAPD policy document 2008. www.eapd.gr/dat/1722F50D/file.pdf

[19] Fardini Y, Chung P, Dumm R, Joshi N, Han YW. Transmission of diverse oral bacteria to murine placenta: evidence for the oral microbiome as a potential source of intrauterine infection. Infect Immun 2010;78:1789–1796.

[20] Figuero E, Carrillo-de-Albornoz A, Herrera D, Bascones-Martínez A. Gingival changes during pregnancy: Influence of hormonal variations on clinical and immunological parameters. J Clin Periodontol 2010;37:220–229.
[21] Finucane D. Rationale for restoration of carious primary teeth: a review. Eur Arch of Paediatr Dent 2012;13:281–292.
[22] George A, Johnson M, Blinkhorn A, Ellis S, Bhole S, Ajwani S. Promoting oral health during pregnancy: current evidence and implications for Australian Midwives. J Clin Nurs 2010;19:3324–3333.
[23] Giglio JA, Lanni SM, Laskin DM, Giglio NW: Oral health care for the pregnant patient. J Can Dent Assoc 2009;75:43–48.
[24] Gürsoy M, Pajukanta R, Sorsa T, Könönen E. Clinical changes in periodontium during pregnancy and post-partum. J Clin Periodontol 2008;35:576–583.
[25] Han YW, Redline RW, Li M, Yin L, Hill GB, McCormick TS. Fusobacterium nucleatum induces premature and term stillbirths in pregnant mice: implication of oral bacteria in preterm birth. Infect Immun 2004;72:2272–2279.
[26] Hellwig E, Schiffner U, Schulte A. Fluoride treatment for caries prevention. Guideline of the German association for dental, oral and maxillofacial health. http://www.dgzmk.de/zahnaerzte/wissenschaftforschung/leitlinien/details/document/fluoridierungsmassnahmen-s3-2.html (2013).
[27] Jeffcoat MK, Geurs NC, Reddy MS, et al. Periodontal infection and preterm birth: results of a prospective study. J Am Dent Assoc 2001;132:875.
[28] Jeffcoat MK, Hauth JC, Geurs NC, et al. Periodontal disease and preterm birth: Results of a pilot intervention study. J Periodontol 2003;76:1214.
[29] Kassenzahnärztliche Bundesvereinigung (KZBV). Pressemitteilung vom 25.09.2015 http://www.kzbv.de/pressemitteilung-vom-25-09-2015.967.de.html
[30] Khader YS, Taàni Q. Periodontal diseases and the risk of preterm birth and low birth weight: A meta-analysis. J Periodontol 2005;76:161.
[31] Kinane, D.F., Riggio M.P., Walker, K.F., MacKenzie, D. & Shearer, B. Bacteremia following periodontal procedures.J Clin Periodontol. 2005;32:708-713.
[32] Kornman KS, Loesche WJ. The subgingival microbial flora during pregnancy. J Periodontal Res 1980;15:111.
[33] Kumar J, Samuelson R. Oral health care during pregnancy and early childhood: practice guidelines. N Y State Dent J 2009;75:29–33.
[34] Lafaurie GJ. Gingival tissue and pregnancy. In: Panagakos F. Gingival diseases – their aetiology, prevention and treatment. InTech 2011:101–120.
[35] Lafaurie GI, Mayorga-Fayad I, Torres MF, Castillo DM, Aya MR, Barón A, Hurtado PA. Periodontopathic microorganisms in peripheric blood after scaling and root planing. J Clin Periodontol 2007;34:873–879.
[36] Laine MA. Effect of pregnancy on periodontal and dental health. Acta Odontol Scand 2002;60:257–64.
[37] León R, Silva N, Ovalle A, Chaparro A, Ahumada A, Gajardo M, Martinez M, Gamonal J. Detection of Porphyromonas gingivalis in the amniotic fluid in pregnant women with a diagnosis of threatened premature labor. J Periodontol 2007;78:1249–1255.
[38] Leong PM, Gussy MG, Barrow SYL, Silva-Sanigorski A, Waters E. A systematic review of risk factors during first year of life for early childhood caries. Int J Paediatr Dent 2013;23:235-250.
[39] López NJ, Da Silva I, Ipinza J, Gutiérrez J. Periodontal therapy reduces the rate of preterm low birth weight in women with pregnancy-associated gingivitis. J Periodontol 2005;76:2144–2153.
[40] López NJ, Smith PC, Gutierrez J. Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal disease: a randomized controlled trial. J Periodontol 2002;73:911-924.
[41] Mobley C, Marshall T, Milgrom P, et al: The contribution of dietary factors to dental caries and disparities in caries. Acad Pediatr 2009:410–415.
[42] Michalowicz BS, Hodges JS, Novak MJ et al. Change in periodontitis during

pregnancy and the risk of pre-term birth and low birthweight. J Clin Periodontol 2009;36:308–314.
[43] Moore S, Randhawa M, Ide M. A case-control study to investigate an association between adverse pregnancy outcome and periodontal disease. J Clin Periodontol 2005;32:1.
[44] Moreu G, Téllez L, González-Jaranay M: Relationship between maternal periodontal disease and low-birth-weight pre-term infants. J Clin Periodontol 2005;32:622–627.
[45] Newnham JP, Newnham IA, Ball CM, Wright M, Pennell CE, Swain J, Doherty DA. Treatment of periodontal disease during pregnancy: a randomized controlled trial. Obstet Gynecol 2009;114:1239–1248.
[46] Noack B, Klingenberg J, Weigelt J, Hoffmann T. Periodontal status and preterm low birth weight: a case control study. J Periodont Res 2005;40:339.
[47] Offenbacher S, Katz V, Fertik G, et al. Periodontal infection as possible risk factor for preterm low birth weight. J Periodontol 1996;67:1103.
[48] Offenbacher S, Jared HL, O´Reilly PG, et al.: Potential pathogenic mechanisms of periodontitis-associated pregnancy complications. Ann Periodontol 1998;3:233.
[49] Offenbacher S, Beck JD, Jared HL, Mauriello SM, Mendoza LC, Couper DJ, et al. Maternal Oral Therapy to Reduce Obstetric Risk (MOTO R) investigators. Effects of periodontal therapy on rate of preterm delivery: a randomized controlled trial. Obstet Gynecol 2009;114:551–559.
[50] Offenbacher S, Jared HL, O'Reilly PG, Wells SR, Salvi GE, Lawrence HP, et al. Systemic inflammatory responses in progressing periodontitis during pregnancy in a baboon model. Ann Periodontol 1998;3:233–250.
[51] Offenbacher S, Lin D, Strauss R, McKaig R, Irving J, Barros SP, Moss K, Barrow DA, Hefti A, Beck JD. Effects of periodontal therapy during pregnancy on periodontal status, biologic parameters, and pregnancy outcomes: a pilot study. J Periodontol 2006;77:2011–2024.
[52] Oral Health Care During Pregnancy Expert Workgroup. Oral Health Care during Pregnancy: A National Consensus Statement. Washington, DC: National Maternal and Child Oral health Resource Center (2012).
[53] Pihlstrom BL, Michalowicz BS, Johnson NW. Periodontal diseases. Lancet (2005).
[54] Pitiphat W, Joshipura KJ, Gillman MW, Williams PL, Douglass CW, Rich-Edwards JW. Maternal periodontitis and adverse pregnancy outcomes. Community Dent Oral Epidemiol 2008;36:3–11.
[55] Polyzos NP, Polyzos IP, Mauri D, Tzioras S, Tsappi M, Cortinovis I, Casazza G. Effect of periodontal disease treatment during pregnancy on preterm birth incidence: a metaanalysis of randomized trials. Am J Obstet Gynecol 2009;200:225–232.
[56] Polyzos NP, Polyzos IP, Zavos A, Valachis A, Mauri D, Papanikolaou EG, Tzioras S, Weber D, Messinis IE. Obstetric Outcomes after treatment of periodontal disease during pregnancy: systematic review and meta-analysis. BMJ 29; 341: c7017 (2010).
[57] Raber-Durlacher JE, van Steenbergen TJ, Van der Velden U, de Graaff J, Abraham-Inpijn L. Experimental gingivitis during pregnancy and post-partum: clinical, endocrinological, and microbiological aspects. J Clin Periodontol 1994;21:549–558.
[58] Ratka-Krüger P, Kunze M, Schacher B, Deimling D: Konzeptreihe „Parodontale Medizin“ – Parodontale Erkrankungen während der Schwangerschaft. Parodontologie 2006;17:211–217.
[59] Richtlinien des Gemeinsamen Bundesausschusses über die ärztliche Betreuung während der Schwangerschaft und nach der Entbindung („Mutterschafts-Richtlinien“). Bundesanzeiger AT 27.06.2014 B3. https://www.g-ba.de/downloads/62-492-1080/Mu-RL_2015-08-20_iK-2015-11-10.pdf
[60] Rieken SE, Terezhalmy GT. The pregnant and breast-feeding patient. Quintessence Int 2006;37:455–468.
[61] Saddki N, Bachok N, Hussain NH, Zainudin SL, Sosroseno W. The association between maternal periodontitis and low birth weight infants among Malay women. Community Dent Oral Epidemiol 2008;36:296–304.

[62] Silk H, Douglass AB, Douglass JM, Silk L. Oral health during pregnancy. Am Fam Physician 2008;77:1139–1144.
[63] Thomas N, Middleton P, Crowther C. Oral and dental health care practices in pregnant women in Australia: a postnatal survey. BMC Pregnancy Childbirth 2008;8:13.
[64] Vadiakas G. Case definition, aetiology and risk assessment of early childhood caries: a revisited review. Eur Arch Paediatr Dent 2008;9:114–125.
[65] Vergnes JN, Pastor-Harper D, Constantin S, Bedos C, Kaminski M, Nabet C, et al. Perceived oral health and the use of dental services during pregnancy: the MaterniDent study. Sante Publique 2013;25:281–292.
[66] Vergnes JN, Sixou M: Preterm low birth weight and maternal periodontal status: a meta-analysis. Am J Obst Gynecol 2007;196:135.el.-7.
[67] Wu M, Chen SW, Jiang SY: Relationship between Gingival Inflammation and Pregnancy. Review. Mediators of Inflammation, Article ID 623427, http://dx.doi.org/10.1155/2015/623427 (2015).
[68] Xiong X, Buekens P, Fraser WD, Beck J, Offenbacher S. Periodontal disease and adverse pregnancy outcomes: a systematic review. Brit J Obst Gyn 2006;113:135–143.
[69] Xiong X, Buekens P, Vastardis S, Yu SM. Periodontal disease and pregnancy outcomes: state-of-the-science. Obstet Gynecol Surv 2007;62: 605–15.
[70] Yeo A, Smith MA, Lin D, Riché EL, Moore A, Elter J, Offenbacher S: Campylobacter rectus mediates growth restriction in pregnant mice. J Periodontol 2005;76:551–557.